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PHOTOGRAPHIC INTELLIGENCE REPORT

POSSIBLE LOCATION OF GALOSH MISSILE LAUNCH

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GIA IMAGERY ANALYSIS DIVISION

CIA/PIR-61017

POSSIBLE LOCATION OF GALOSH MISSILE LAUNCH

Reference CIA/PIR-1014/65, , dated June 1965, "Suspect Galosh Launch Site from 'Rockets on Guard for Peace' (Soviet Source)". Further photogrammetric analysis of the photography reproduced from the Soviet propaganda film "Rockets on Guard for Peace" has produced the following data regarding the Galosh launching shown in the film: (a) The angle of elevation of the principal perspective ray of the camera which filmed the launching was 25 degrees. (b) The included azimuth angle between a vertical plane through the near side of the tower platform and a vertical plane through the perspective ray from camera to one of the platform corners (c) The distance of the camera station from the base of the tower appearing in the film

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Examination of available KH-7 photography of Launch Complex A and Launch Complex B, Sary Shagan (in the light of the above data) further supports the conclusion of the referenced report, that the photographed launching of the Galosh Missile from its canister is suspected to have taken place from the northwestern loop road launch position at Facility B, Launch Complex B (Launch position B-4) Sary Shagan Antimissile Test Center. Photo quality precludes utilizing angular data, however the computed distance from camera station to tower is possibly significant, as it tends to further rule out Launch Complex A, Sary Shagan. The distance involved would place the camera station between the double security fence which skirts the area southeast of Launch Position 5, at Launch Complex A, Launch Site 3. No such unfavorable camera locations are found at Launch Complex B, Sary Shagan.

This new photogrammetric data is based on the assumption that the tower height in the movie , as computed earlier, that the platform on top of the tower is square, and that the camera is at the same elevation as the tower base.

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In spite of the fact that these earlier computations were in turn based on a series of assumptions, as spelled out in the referenced report, it is now possible to increase the degree of confidence regarding the location of the Galosh Launch. It is now believed that the launching of the Galosh Missile shown in the Soviet film "Rockets on Guard for Peace" possibly took place from Sary Shagan Launch Complex B.

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REFERENCES

MAPS

AMS Series DESPA-1 Sheet NL 43-4 (TOP SECRET RUFF)
AMS Series DESPA-1 Sheet 43-7 (TOP SECRET RUFF)

DOCUMENTS

CIA/PIR-1014/65, TCS 8877/65 "Suspect Galosh Launch Site..." (TOP SECRET RUFF)
CIA/PIR-1012/65, "Galosh Missile Mensuration..." (SECRET)
DIA Special Intelligence Supplement 6 Jul 65, "Preliminary Analysis of the Galosh Antimissile Missile" (SECRET)
"Suspect Missile at Facility B, Launch Complex B, Sary Shagan Antimissile Test Center" (TOP SECRET RUFF)
"Missile Launchers, Sary Shagan Launch Complex A" (TOP SECRET RUFF)
CIA/PIR-13/64, "Comparison of Possible AMM-Associated Facilities at Moscow and Sary Shagan, USSR August and September 1963, (TOP SECRET RUFF)
"Sary Shagan, Selected Installation Analysis" 25 Sep 63, (TOP SECRET RUFF)
"Comparison of Tallinn, Leningrad and Sary Shagan Launch Positions" (TOP SECRET RUFF)

REQUIREMENT

C-RR5-82,622

CIA/IAD PROJECT

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